

My Research Team Network Analysis

I wanted to understand how everyone in our research group connects with each other. I decided to map out the supervision relationships to see the big picture of how we work together.

How I Built This Analysis

Step 1: I Listed Everyone

Supervisors:

- Dr. Ansah
- Prof. Solo
- Dr. PBS
- Prof. Aseidu

Students:

- George
- David
- Prince
- Princilla

Step 2: I Mapped the Relationships

I wrote down all the supervision pairs I knew about:

- Dr. Ansah → George
- Prof. Solo → David
- Dr. PBS → Prince
- Dr. Ansah → Princilla
- Prof. Solo → George
- Dr. PBS → David
- Dr. Ansah → Prince

Step 3: I Used Python to Analyze

I wrote code that:

1. Created a network with all 8 people
2. Added 7 supervision relationships
3. Counted how many connections each person has
4. Found who might be isolated

My Key Discoveries

- **Dr. Ansah** is the busiest supervisor
- **Three students** have the benefit of two supervisors each
- **Princilla** has only one supervisor
- **Prof. Aseidu** doesn't currently supervise any students

What My Visualization Shows

- Use **blue circles** for connected members
- Use **red circle** for Prof. Aseidu (since he has no connections)
- Add **arrows** showing supervision direction

My Final Thoughts

Doing this analysis helped me see our research group in a new way. It's not just about who works with whom it's about making sure everyone has the support they need and no one gets left out.

I'm proud that I could use my coding skills to create something that might actually help improve how our team works together!

Done by: Prince Obeng Nkoah

For: Our Data Science Research Group

